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By: Nancy Ramos Printed: Nancy Ramos

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Lal et al.

Title: SYNAPTOJANIN ISOFORM

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Commissioner for Patents

Washington, D.C. 20231

SUBMISSION OF FORMAL DRAWINGS

Sir:

Transmitted herewith are Figure(s) 1A, 1B, 1C, 1D, 1E, 2, 3A, 3B, as eight (8) sheets of formal drawings for this application. Each sheet of drawing indicates the identifying indicia suggested in 37 CFR Section 1.84(c) on the reverse side of the drawings.

Applicants believe that no fee is due with this paper. However, if the Commissioner determines that a fee is necessary, the Commissioner is hereby authorized to charge any additional fees associated with this communication or credit any overpayment to Deposit Account No. **09-0108. A duplicate copy of this communication is enclosed.**

If there are any questions regarding the above, the Examiner is invited to call the undersigned at 650-855-0555.

Respectfully submitted,

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5'	9	18	27	36	45	54
NGC GTG TCA CGC GTC CGG TCG ACA GGT TCA ACT TTC CTT CCT GAA CCA CTG AAG						
	63	72	81	90	99	108
CCT CAG GCT GCT TTT CCT CCG CGG TCT TCT TTG CGC CCG CCT CAA AGG TTG						
	117	126	135	144	153	162
CAA GAG CCT CTT GTC CCT GTG GCA CCT ATG CCT CAG TCT GGC CCC CAG CCA						
	171	180	189	198	207	216
AAT TTG GAA ACC CCA CCA CCA CCA CCT CGA AGC AGG TCA TCC CAT AGC TTG						
N L E T P P Q P P P P R S R S H S L						
	225	234	243	252	261	270
CCT TCA GAA GCT TCC TCA CAA CCG CAA GTA AAA ACA AAT GGA ATC TCT GAT GGC						
P S E A S S Q P Q V K T N G I S D G						
	279	288	297	306	315	324
AAA AGA GAA TCA CCA TTA AAG ATT GAC CCA TTT GAA GAT CTG TCA TTT AAT CTG						
K R E S P L K I D P F E D L S F N L						

FIGURE 1A

FIGURE 1B

657	666	675	684	693	702
AGT CCT TTC	CCT TCT CTG	CAG CCT CTT	GGT CAT AAC	AAA AGC AGG	GCT TCA TCT
S P F	P S L	Q P L	G H N	K S R	A S S
711	720	729	738	747	756
TCA CTT GAT	GGC TTT AAG	GAC AGT TTT	GAT CTA CAG	GGC CAG TCT	ACA TTA AAA
S L D	G F K	D S F	L D Q	S Q Q	T L K
765	774	783	792	801	810
ATT AGC AAC	CCG AAA GGA	TGG GTA ACC	TTC GAG GAA	GAG GAA GAT	TTT GGT GTG
I S N	P K G	V T F	E E E	D E F	G V
819	828	837	846	855	864
AAA GGG AAG	TCA AAG TCA	GCT TGT TCA	GAC TTA CTG	GGT AAT CAG	CCA AGT TCA
K G K	S K S	A C S	D L L	G N Q	P S S
873	882	891	900	909	918
TTT TCT GGC	TCC AAC CTG	ACA TTG AAT	GAT GAC TGG	AAT AAA GGT	ACA AAT GTC
F S G	S N L	T L N	D D W	K N G	T N V
927	936	945	954	963	972
TCC TTC TGT	GTG TTG CCG	TCA AGA AGA	CCT CCA CCT	CCT GTC CCT	CTG CTC
S F C	V L P	S R R	P P P	P P P	L L L

FIGURE 1C

981	990	999	1008	1017	1026
CCG CCC GGC ACC AGC CCT CCA GTA GAT CCT TTC ACG ACC TTG GCC TCT AAG GCT					
P P G T S P P P P V D P F T T L A S K A					
1035	1044	1053	1062	1071	1080
TCA CCC ACA CTG GAC TTT ACA GAA AGA TAA CGC CAT GCA ATA GAA AAC AGT GGG					
S P T L D F T E R					
1089	1098	1107	1116	1125	1134
TAC TTG CTT TTG GCA GGA TAG AGC TAA GAG AAT TGG GCA TTA GTA TTT CAT TAT					
1143	1152	1161	1170	1179	1188
GTG CAA TAA GTC ATT GTA AGT GCA CTG ATA TCT TCA CAA AAC ACC ACT ATT TGA					
1197	1206	1215	1224	1233	1242
TGT GTA CAG AGT TGG ACT ATG TGT ATA TTG GAA ATA AGG AAA AAC CCT TCT CAT					
1251	1260	1269	1278	1287	1296
TGT TAA CTG GAG TTT TGA TGT ATT TCT TGT TGG ATG AAT AGG AGA CAG TAG TAG					

FIGURE 1D

1305	1314	1323	1332	1341	1350
CCA TAA AAA GTA CTT ATA CTT TAG AAA ACA GTC CTT ATT CAG AAA CTT TTC GGT					
1359	1368	1377	1386	1395	1404
CAG TCT TCT GAA GAA TCT CAA AAA GCC CAC CCA ACT TTT CAG CTG ACA TTT CCA					
1413	1422	1431	1440	1449	1458
CCA GCC CTC TCA AAT TTG TTA ACT ATT GGT ATC TTT GAG TAT TTA CCC AAG AGC					
1467	1476	1485	1494	1503	1512
TGC CAA GGT TAC AGT GAA CAG AGT TTT GAA AGG CAT TGC TTT AAA GGA AAA AAG					
1521	1530	1539	1548	1557	
TAT AGG TAT GTG TAC ATA TAN ATT TCA TAT TTT CAC ACG TAC TTC CGT CCC CC 3'					

FIGURE 1E

1	M	P	Q	S	G	P	Q	P	N	L	E	T	P	P	Q	P	P	R	S	R	S	S	H	S	L	P	S	E	A	S	S	Q	P	Q	V	K	T	N	G	NSYN-1	
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	g1166576		
41	I	S	D	G	K	R	E	S	P	L	K	I	D	P	F	E	D	L	S	F	N	L	L	A	V	S	K	A	Q	L	S	V	Q	T	S	P	V	P	T	P	NSYN-1
8	A	C	G	V	K	Q	E	P	T	L	K	S	D	P	F	E	D	L	S	L	S	V	L	A	V	S	K	A	Q	P	S	A	Q	I	S	P	V	L	T	P	g1166576
81	D	P	K	R	L	I	Q	L	P	S	A	T	Q	S	N	V	N	T	L	S	S	V	S	C	M	P	T	M	P	P	I	P	A	R	S	Q	S	Q	E	N	NSYN-1
48	D	P	K	M	L	I	Q	L	P	S	A	S	Q	S	K	V	N	S	L	S	S	V	S	C	M	L	T	M	P	P	V	P	E	Q	S	K	S	Q	E	S	g1166576
121	M	R	S	S	P	N	P	F	I	T	G	L	T	R	T	N	P	F	S	D	R	T	A	A	P	G	N	P	F	R	A	K	S	E	E	S	E	A	T	S	NSYN-1
88	V	G	S	S	A	N	P	F	-	P	S	L	P	T	R	N	P	F	T	D	R	T	A	A	P	G	N	P	F	R	V	Q	S	Q	E	S	E	A	T	S	g1166576
161	W	F	S	K	E	E	P	V	T	I	S	P	F	P	S	L	Q	P	L	G	H	N	K	S	R	A	S	S	S	L	D	G	F	K	D	S	F	D	L	Q	NSYN-1
127	W	L	S	K	E	E	P	V	S	N	S	P	F	P	P	L	M	P	L	S	H	D	M	S	K	P	S	S	S	L	D	G	F	E	D	N	F	D	L	Q	g1166576
201	G	Q	S	T	L	K	I	S	N	P	K	G	W	V	T	F	E	E	E	D	F	G	V	K	G	K	S	K	S	A	C	S	D	L	L	G	N	Q	P	NSYN-1	
167	S	Q	S	T	V	K	T	S	N	P	K	G	W	V	T	F	D	E	D	E	F	P	T	K	G	K	S	R	S	V	Y	P	D	S	L	G	N	T	A	g1166576	
241	S	S	F	S	G	S	N	L	T	L	N	D	D	W	N	K	G	T	N	V	S	F	C	V	L	P	S	R	R	P	P	P	P	-	-	V	P	L	L	NSYN-1	
207	A	S	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	g1166576		
279	P	P	G	T	S	P	P	V	D	P	F	T	T	L	A	S	K	A	S	P	T	L	D	F	T	E	R													NSYN-1	
240	P	P	G	T	T	S	S	A	G	P	S	T	T	L	S	S	K	A	S	P	T	L	D	F	T	E	R													g1166576	

FIGURE 2

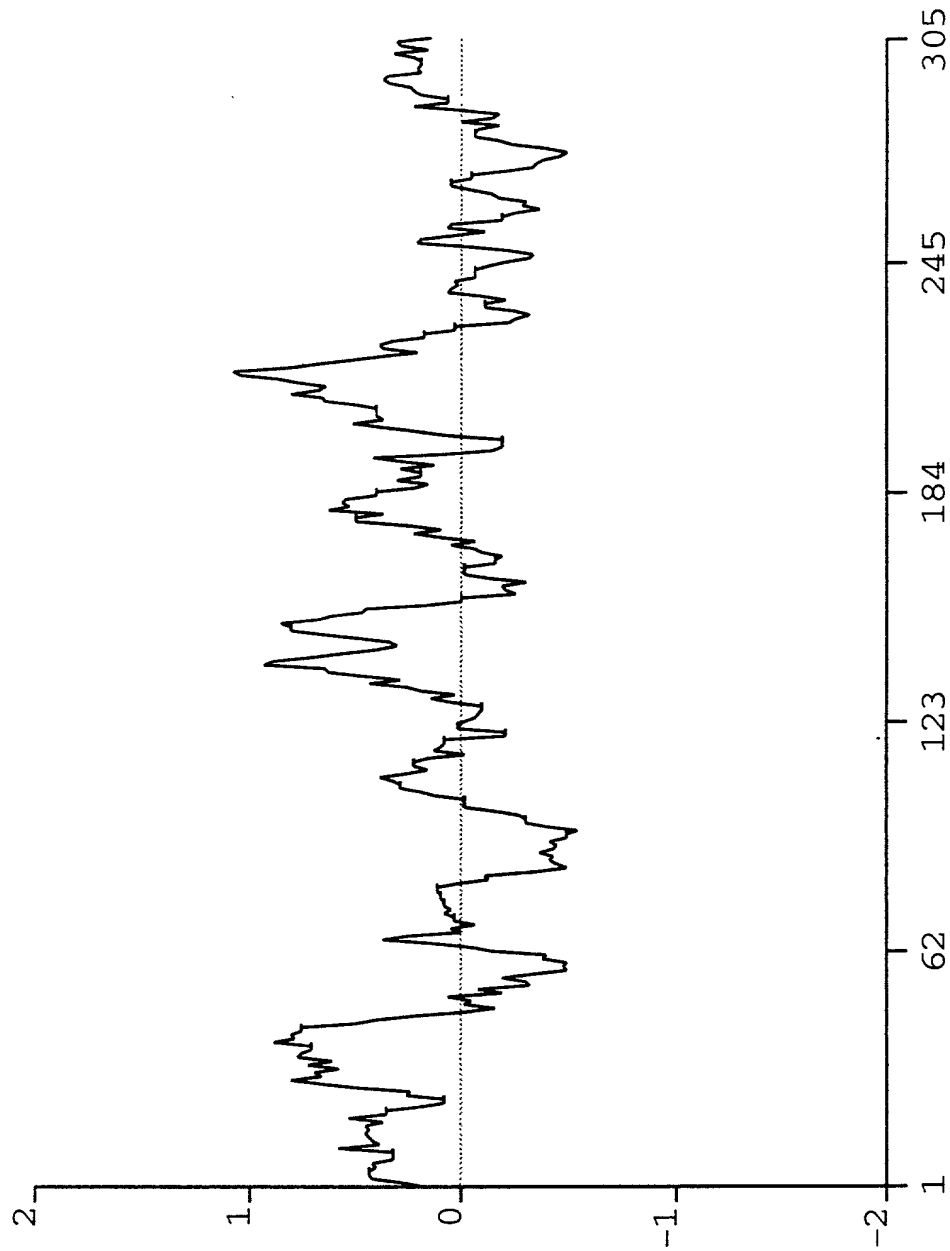


FIGURE 3A



	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

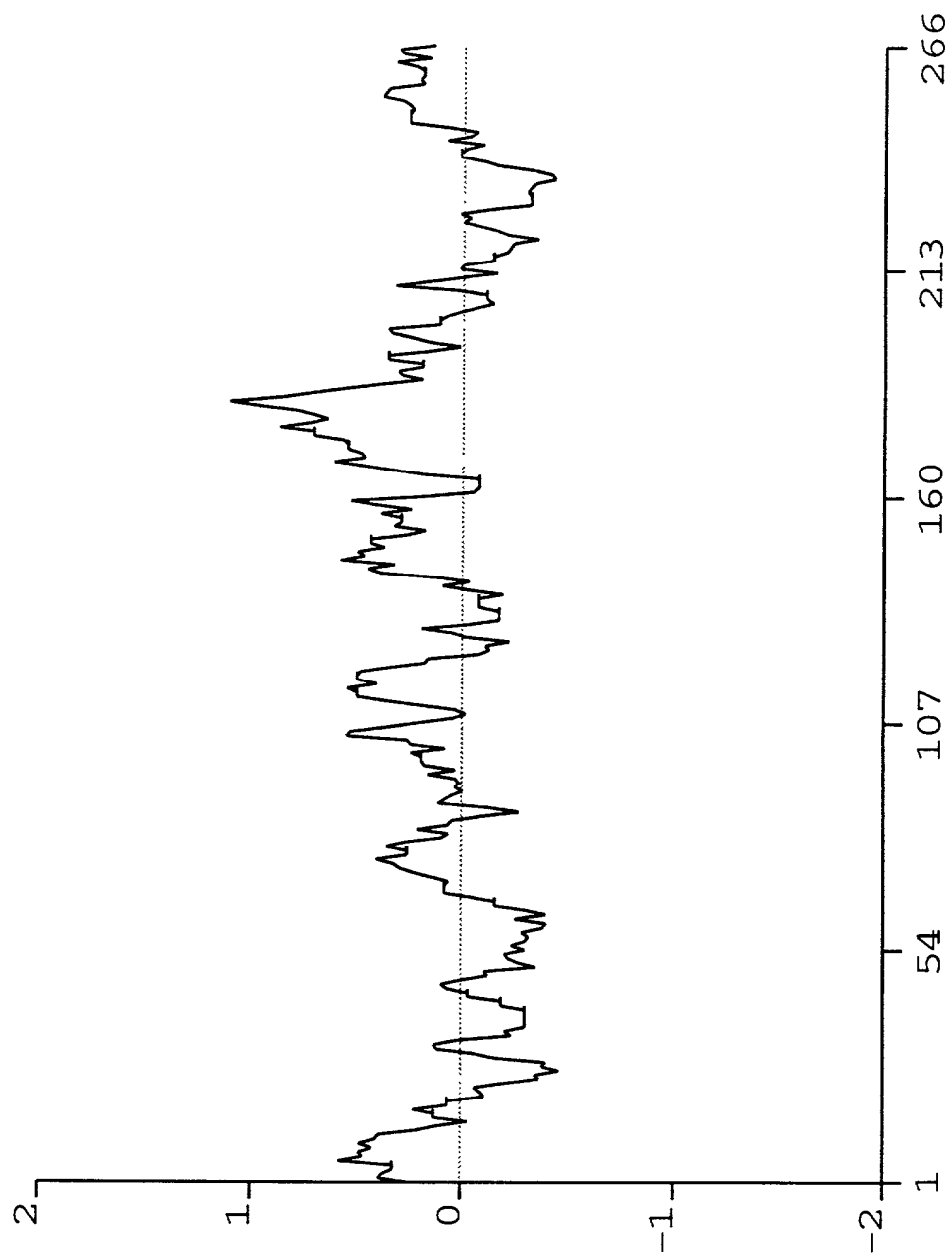


FIGURE 3B